Journal of Hydrology, 163 (1994) 439–440
Elsevier Science B.V.

Contents of Volume 163

Vol. 163 Nos. 1–2 — 1 December 1994

Research Papers

Streamflow generation on a small agricultural catchment during autumn recharge: I. Nonstorm-flow periods
H.B. Pionke and D.R. DeWalle 1

Streamflow generation on a small agricultural catchment during autumn recharge: II. Stormflow periods
D.R. DeWalle and H.B. Pionke 23

Stochastic estimation of plant-available soil water under fluctuating water table depths
D. Or and D.P. Groeneveld 43

Field-scale distributed modelling of bypass flow in a heavily textured clay soil
H.W.G. Booltink 65

Dispersion parameters from the impulse response using regression
W.E. Kelly, O. Mazac and S. Mares 85

Values for the exponent of storage–discharge equation in runoff-routing models
B.L. Maheshwari 95

Simulation of long-term thermal characteristics of three Estonian lakes
J. Vassiljev, S.P. Harrison, S. Hostetler and P.J. Bartlein 107

Radionuclide migration using a travel time transport approach and its application in risk analysis
R. Andričević, J.I. Daniels and R.L. Jacobson 125

Effects of land disposal of municipal sewage sludge on fate of nitrates in soil, streambed sediment, and water quality
J.A. Tindall, K.J. Lull and N.G. Gaggiani 147

Technical Note

Simulating solute transport in an aggregated soil with the dual-porosity model: measured and optimized parameter values
M.L. Brusseau, Z. Gersti, D. Augustijn and P.S.C. Rao 187

Book Review

Estimation Theory in Hydrology and Water Systems, by K. Nacházel — B. Bobée 195

Vol. 163 Nos. 3–4 — 15 December 1994

Research Papers

Transient water table rise with canal seepage and recharge
S. Ram, C.S. Jaiswal and H.S. Chauhan 197

Water movement and isoproturon behaviour in a drained heavy clay soil: 1. Preferential flow processes
A.H. Haria, A.C. Johnson, J.P. Bell and C.H. Batchelor 203

Water movement and isoproturon behaviour in a drained heavy clay soil: 2. Persistence and transport
A.C. Johnson, A.H. Haria, C.L. Bhardwaj, C. Völkner, C.H. Batchelor and A. Walker 217

A method for simulating cadmium transport in soil: model development and experimental evaluation
R.W. Al-Soufi 233
Hydrogeology and hydrogeochemistry of a small, hard-rock island — the heavily stressed aquifer of Jersey
N.S. Robins and P.L. Smedley 249
Colloidal silica transport through structured, heterogeneous porous media
J.E. Saiers, G.M. Hornberger and C. Harvey 271
Calibration of the Penman wind function using the Bowen ratio energy balance method
E. Malek 289
Injection of industrial wastewater in Israel: siting criteria for deep injection wells and associated problems
R. Nativ, I. Hemo and G. Weinberger 299
Optimal soil venting design using Bayesian decision analysis
J.J. Kaluarachchi and A.H. Wijedasa 325
Borehole flowmeters: field application and data analysis
F.J. Molz, G.K. Boman, S.C. Young and W.R. Waldrop 347
Parameter estimation in an anisotropic leaky aquifer system
M. Sekhar, M.S. Mohan Kumar and K. Sridharan 373

Announcements 393

Cumulative Author Index Volumes 153–163 395

Cumulative Subject Index Volumes 153–163 415

Contents of Volume 439